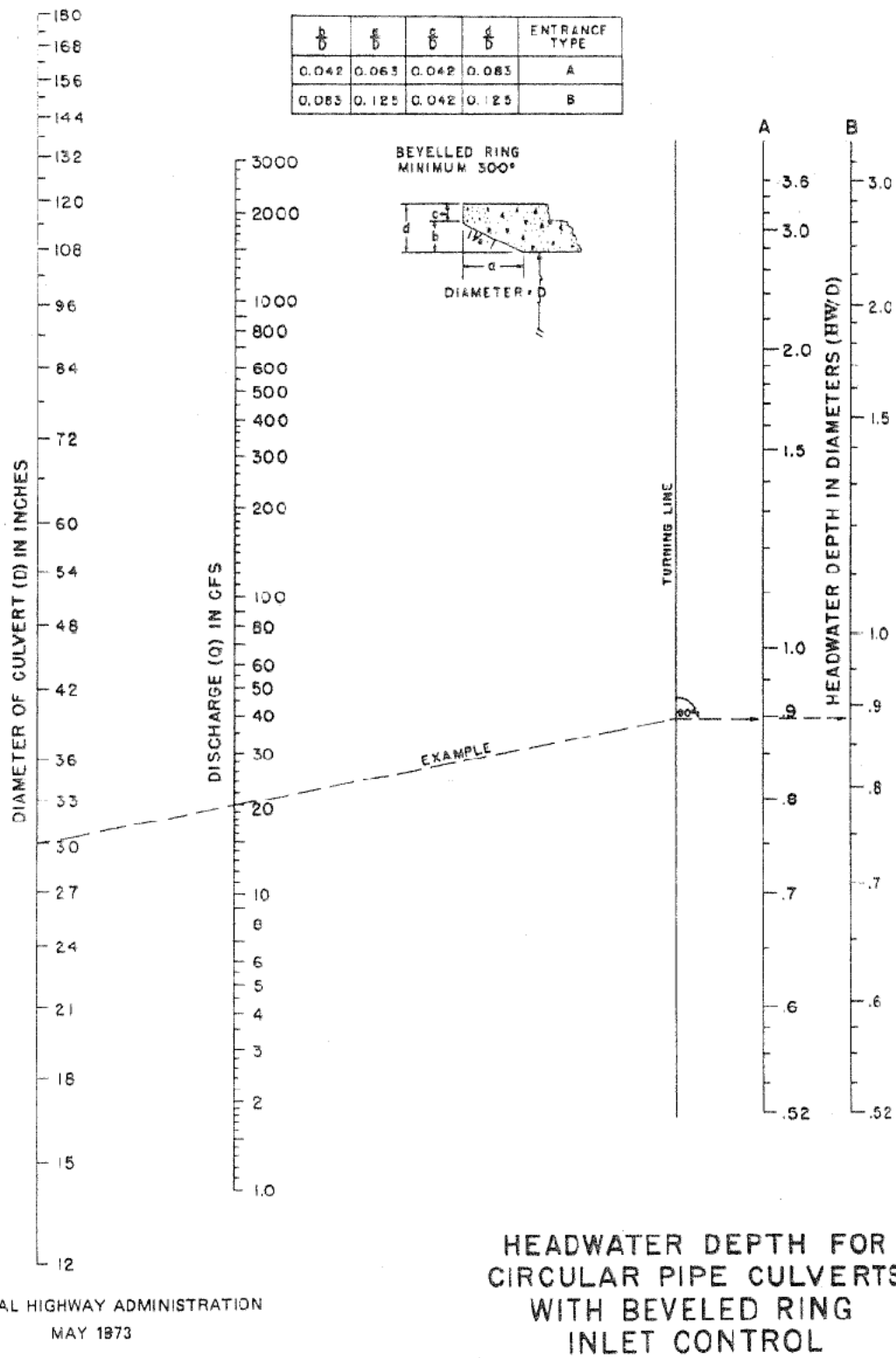
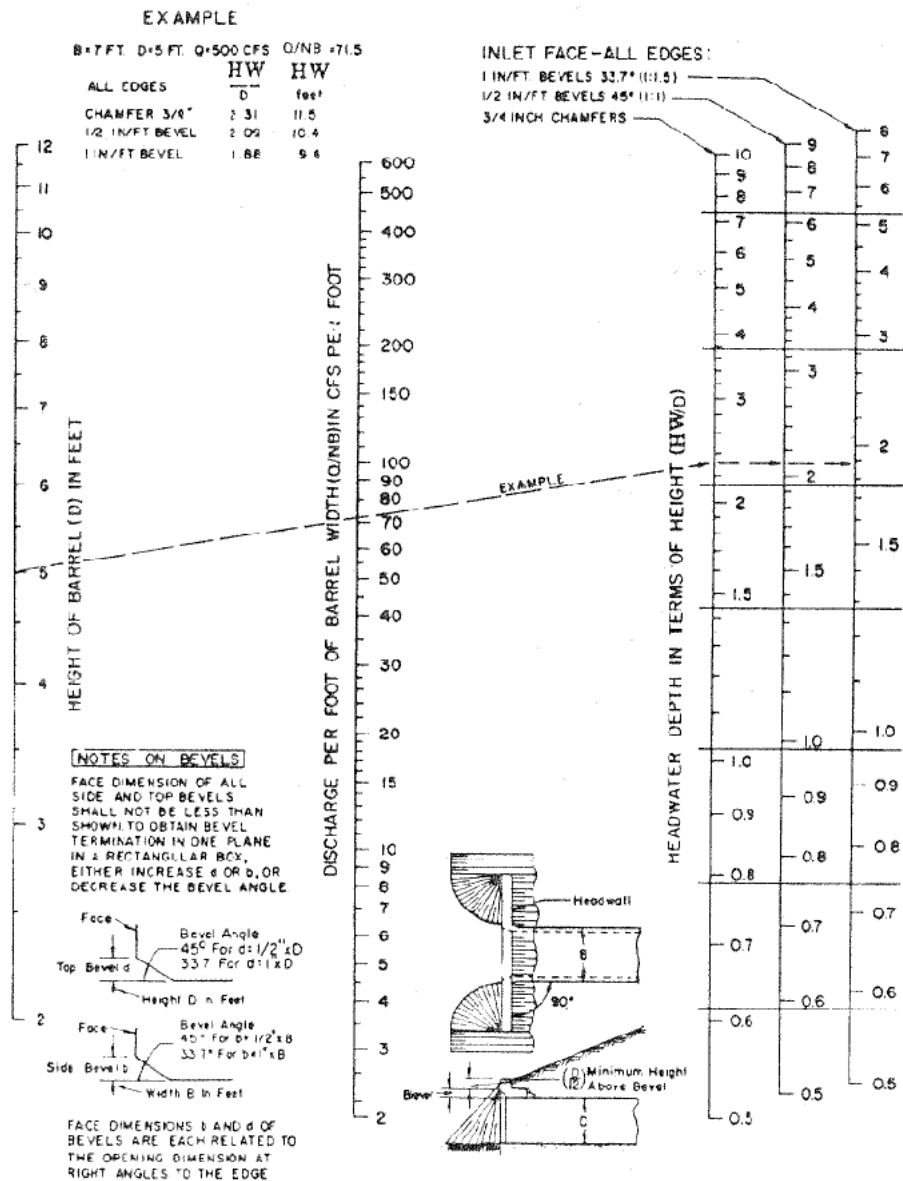


APPENDIX 4-C
CULVERT DESIGN
INTLET CONTROL



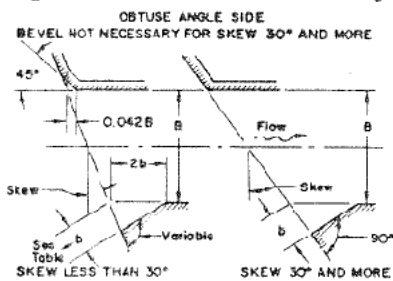
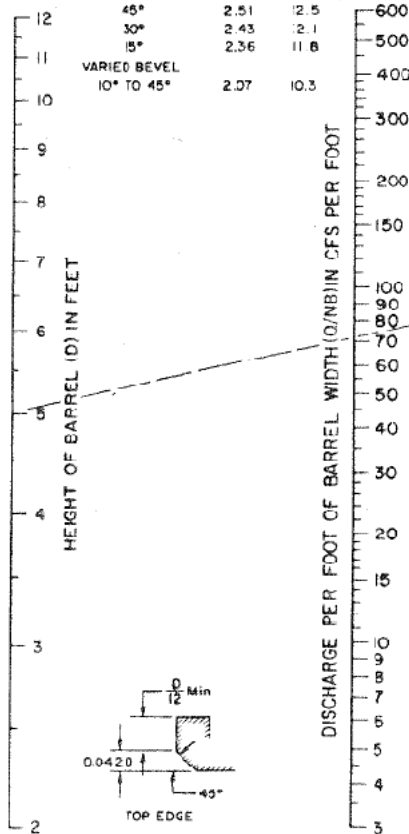


FEDERAL HIGHWAY ADMINISTRATION
MAY 1973

EXAMPLE

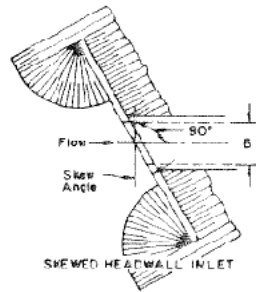
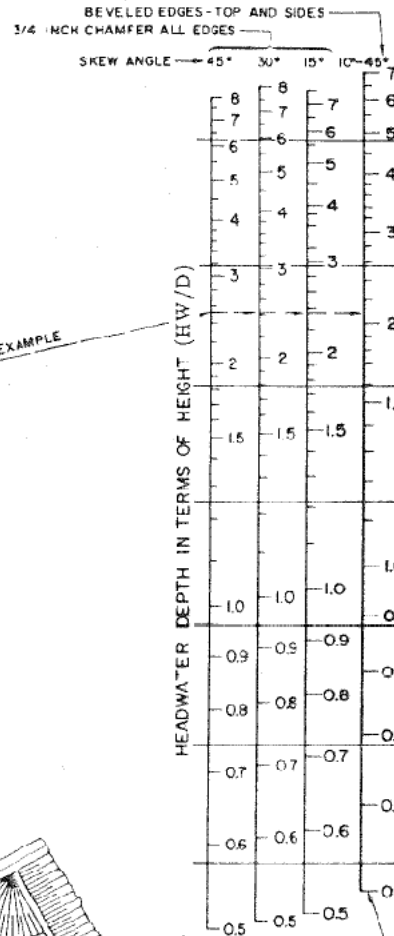
B=7 FT. D=5 FT. Q=500 CFS

EDGE & SKEW	HW D	HW feet
3/4" CHAMFER		
45°	2.51	12.5
30°	2.43	12.1
15°	2.36	11.8
VARIED BEVEL		
10° TO 45°	2.07	10.3



ACUTE ANGLE SIDE
BEVELED INLET EDGES
DESIGNED FOR SAME CAPACITY AT ANY SKEW

FEDERAL HIGHWAY ADMINISTRATION
MAY 1973



BEVELED EDGES
AS DETAILED

SKEW ANGLE	SIDE BEVEL b
10°	3/4" x B (ft)
15°	1" x B
22 1/2°	1-1/4" x B
30°	1-1/2" x B
37 1/2°	2" x B
45°	2-1/2" x B

HEADWATER DEPTH FOR INLET CONTROL
SINGLE BARREL BOX CULVERTS
SKEWED HEADWALLS
CHAMFERED OR BEVELED INLET EDGES

